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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567,358	02/06/2006	Yasukazu Nakata	Q92997	9855
23373	7590 09/20/2006		EXAMINER	
SUGHRUE MION, PLLC			LEVI, DAMEON E	
2100 PENN SUITE 800	ISYLVANIA AVENUE, N.	W.	ART UNIT	PAPER NUMBER
	TON, DC 20037		2841	
			DATE MAILED: 09/20/200	6

Please find below and/or attached an Office communication concerning this application or proceeding.

				3/				
		Application No.	Applicant(s)	4				
		10/567,358	NAKATA ET AL.					
Office Act	ion Summary	Examiner	Art Unit					
		Dameon E. Levi	2841					
The MAILING D Period for Reply	ATE of this communicatio	n appears on the cover sheet wi	th the correspondence address					
WHICHEVER IS LON - Extensions of time may be arafter SIX (6) MONTHS from - If NO period for reply is spec - Failure to reply within the set	GER, FROM THE MAILIN vailable under the provisions of 37 C he mailing date of this communication fied above, the maximum statutory progressed or extended period for reply will, by incellater than three months after the	IG DATE OF THIS COMMUNION (FR 1.136(a). In no event, however, may a ron.	eply be timely filed THS from the mailing date of this communic ANDONED (35 U.S.C. § 133).					
Status								
1) Responsive to c	ommunication(s) filed on	06 February 2006.						
2a) ☐ This action is FI								
3) Since this applic	ers, prosecution as to the merit	s is						
closed in accord	ance with the practice un	der <i>Ex parte Quayle</i> , 1935 C.D	. 11, 453 O.G. 213.					
Disposition of Claims								
4) Claim(s) <u>1-4</u> is/a	☑ Claim(s) <u>1-4</u> is/are pending in the application.							
4a) Of the above	4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s)	is/are allowed.							
6)⊠ Claim(s) <u>1-4</u> is/a	re rejected.							
7) Claim(s)	Claim(s) is/are objected to.							
8) Claim(s)	are subject to restriction a	and/or election requirement.						
Application Papers								
9) The specification	is objected to by the Exa	miner.						
10)⊠ The drawing(s) fi	led on <u>06 February 2006</u>	is/are: a)⊠ accepted or b)□ ∈	objected to by the Examiner.					
Applicant may not	request that any objection to	o the drawing(s) be held in abeyar	ce. See 37 CFR 1.85(a).					
Replacement drav	ving sheet(s) including the c	orrection is required if the drawing	(s) is objected to. See 37 CFR 1.12	21(d).				
11) The oath or deck	aration is objected to by the	ne Examiner. Note the attached	d Office Action or form PTO-152	2.				
Priority under 35 U.S.C.	§ 119							
a)⊠ All b)□ Son	ne * c)□ None of:	reign priority under 35 U.S.C. §	119(a)-(d) or (f).					
		ments have been received.						
		ments have been received in A						
·	•	•	received in this National Stage	!				
, ,		ureau (PCT Rule 17.2(a)).	and the d					
* See the attached	detailed Oπice action for a	a list of the certified copies not	received.					
Attachment(s)								
Attachment(s) 1) ☑ Notice of References Cite	d (PTO-892)	4) Interview S	Summary (PTO-413)					
2) Notice of Draftsperson's F			s)/Mail Date					

U.S. Patent and Trademark Office PTOL-326 (Rev. 08-06)

3) Information Disclosure Statement(s) (PTO/SB/08)

Paper No(s)/Mail Date _____.

5) Notice of Informal Patent Application

6) Other: _

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 are rejected under 35 U.S.C. 102(b) as being anticipated by Ikefuji et al US Patent 6404644.

Regarding claim 1, Ikefuji et al discloses a flip chip mounting substrate which comprises: an electronic circuit composed of a circuit line(element 12, Figs 1-4, 32, Fig 5, 52, 57, Fig 6) and plural mounting pads(element 12a,12b, Figs 1-4) connected to both ends of the circuit line formed on one surface of a base sheet(element 10, Figs 1-4), wherein the plural mounting pads are faced each other and spaced a pad clearance gap apart, and one or more semiconductor mounting paste guide paths(element 16, Figs 1-4) are formed in the mounting pads.

Regarding claim 2, Ikefuji et al discloses wherein a width of the semiconductor mounting paste guide path is in the range from 50 to 600 um(element 16, Figs 1-4).

Regarding claim 3, Ikefuji et al discloses wherein a broad section(element 19b, Figs 1-4) for pressing out and spreading uniformly the semiconductor mounting paste(element 19, Figs 1-4) to connecting to an IC ship is formed in a part of the pad clearance gap.

Regarding claim 4, Ikefuji et al discloses wherein a thin film layer (element 19a, Figs 1-4) is formed in center section of the broad section.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dameon E. Levi whose telephone number is (571) 272-2105. The examiner can normally be reached on Mon.-Fri. (9:00 - 5:00) IFP.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Dameon E Levi

Art Unit 2841

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Tuen Dinh 9-13-06.